ABSTRACT OF THE DISCLOSURE

Steel studs for use in construction having

a web, main web openings through the web, a right angular flange formed on a free edge of the web, and depressions in the web and depression openings in the depressions. An alternate form of stud has a triangular tube structure along one edge of the web. Another form of stud has a discontinuous webs defining spaces between them.

The main web openings may be circular or non-circular. The studs may be used in a composite construction panel having a thin panel of concrete material an embedment angled flange portion formed along the opposite edge of the web, an edge strip formed on the angled flange at an angle thereto; and, spaced apart angled flange openings formed in the angled flange for flow of concrete therethrough The studs form a reinforcing grid of sheet metal studs with embedment portions which are actually embedded into the concrete panel. In one embodiment two concrete panels may be secured to the studs in spaced relation to create a hollow structure.

Also disclosed is a method of forming a composite construction panel.